One hour and less-Continued.			One hour and less—Continued.					
Station and state.		Time.	Date.	Station and state.	Amount.	Time.	Date.	
	Inches.	h. m.			Inches.	h. m.		
Jupiter, Fla	0.30	0 05	14, 1892	Pittsburg, Pa Cincinnati, Ohio	1.85 1.85	0 35	16, 188	
Buffalo, N. Y	0.30 0.30	0 05	23, 1891 28, 1893	Silver Falls, Tex	1.82	0 35 0 35	27, 188 20, 180	
Washington, D. C	0.30	0 05	1, 1890	Quitman Ga	2.30	0 40	30, 180	
Norfolk, Va	0.30	0 05	26, 1891	Sharon Springs, Kans Jacksonville, Fla	2.00	0 40	30, 18 20, 18	
Galveston, Tex	0.29	0 05	25, 1893	Jacksonville, Fla	3·72 2·63	0 41	20, 187	
Eastport, Me	0. 27 0. 25	0 05	5, 1892 19, 1892	Hudson, Wis	2.50	0 45 0 45	5, 18 11, 18	
ndianapolis, Ind Baltimore, Md	0.25	0 05	29, 1893	Detroit Mich	2.48	0 45	31, 18	
laaksanvilla kia	0.25	0 05	29, 1893 6, 1893	Sandusky, Ohio Charlotte, N. C Weldon, N. C Fort Union, N. Mex	0.25	0 45	24, 18	
Do	0.25	0 05	9, 1893	Charlotte, N. C	2. OI	0 45	3,18	
Wimington, N. C	0.25	0 05	30, 1892 21, 1893	Weldon, N. U	3·43 2·34	0 50	22, 18	
upiter, Fla Boston, Mass	0.95	0 10	12, 1892	Bushnell, Ill	4.02	1 00	12, 18 5, 18	
Contractiville file	0.80	0 10	31, 1892	Princeton, Mo	4.00	1 05	15, 10	
Famps, Fla maha, Nebr Galveston, Tex	0.80	0 10	9, 1892	Campo, Cal Plover, Wis	11.50	I 20	15, 19 12, 18	
Omaha, Nebr	0-80	0 10	14, 1803	Plover, Wis	4.50	1 30	3, 18	
Galveston, Tex	0.75	0 10	4, 1890 6, 1893			<u> </u>	<u> </u>	
Boston, Mass Saint Paul, Minn	0.70	0 10	23, 1893	† Record incomplete.				
Atlanta, Ga	0.65	0 10	1, 1892	•				
Dodge City, Kana	0.60	O IO	9, 1892	HAIL.				
Key West, Fla	0.60	0 10	30, 1891 4, 1888	Description of the more severe hailstorms	PODOT	tod	for th	
New York, N. Y	0.59	0 10	4, 1888	Describion of one more severe numbering	Tehor	beu	TOT OT	
Savannah, Ga.†	0.56	0 10	14, 1893	month is given under "Local storms."				
Norfolk, VaBismarck, N. Dak	0.57 0.56	0 IO	31, 1892 27, 1892	Hail was reported as follows: 1st, Colors	ado F	loric	สิด ดภ	
Reveland, Ohio	0.56	0 10	10, 1802	That was reported as follows. Iso, colored	\u.	D	1	
kint Louis. Mo	0.51	0 10	19, 1892 7, 1892	Texas. 3d, Ohio. 4th, Arizona, Colorado, C				
uniter Kla	0.50	0 10	14, 1802	nia, and Wisconsin. 5th, Colorado, Illinois,	Mary	zlanc	d. Mis	
New York, N. Y† aliabury, N. C ranklin Furnace, N. J Tharleston, S. C	0.50	0.10	19, 1893 13, 1888	souri, and Nebraska. 6th, Colorado, Mary	lond	Mod	ago ob v	
alisbury, N. C	0-50	0 10	13, 1888	souri, and Nepraska. out, Colorado, Mary	minu,	TAT SP:	sacmu	
Parieston S. C	0.99 I.41	o 15	19, 1893 9, 1890	setts, New Hampshire, New Jersey, Pennsy	lvania	i, an	d Ter	
ead Hill, Ark	1.00	0 18	2, 1882	nessee. 7th, Massachusetts, New Hampsl	nire '	Техя	ន ១១	
upiter, Fla	2. 12	0 20	21, 1803	Tt. 1 Oth Colone 3. Town Minnesster 1	<i>T</i> ::-		NT.	
Frenton, S. C	I.42	0 20	18, 1893	Utah. 8th, Colorado, Iowa, Minnesota, I Mexico, Texas, and Wisconsin. 9th, Color	X18818	згррг	, Me	
Brooksville, Fla	I 40 I 27	0 20	I, 1893 II, 1877	Mexico, Texas, and Wisconsin, 9th, Color	rado.	Nor	th Da	
forkeville Le	1.25	0 20	27, 1892	kota, and South Dakota. 10th, Colorado, Io	wo k	020	a Mic	
	1.20	0 20	2, 1878					
Noany, N. 1 Fox Creek, Mo	1.15	0 20	25, 1893	souri, Texas, and Wisconsin. 11th, Arkan	sas ai	od N	evada	
Henville, W. Va	1.14	0 20	12, 1892	12th, South Dakota and Utah. 13th, Aris	zona	and	Idaho	
ashville, Tenn	1.10	0 20	17, 1891 5, 1890			<b>W11</b> C4		
mporium, Pa. arkersburg, W. Va	1.05 1.01	0 20	1,1890	11011 00101000 0000 1.00100000				
1085ing Ford, Vs	T+00	0 20	2, 1890	15th, Colorado. 16th, Colorado, Minnes	ota, O	rego	n, an	
bilene Tex	1.00	0 20	29, 1892	Utah. 17th, Kansas, Minnesota, Nebraska	a Po	กมสพ	lvani	
onisville, Ky Hardin, Colo	r. 26	0 23	20, 1878					
alveston, Tex	1.52	0 24	13, 1890 17, 1871	and Wisconsin. 18th, Colorado and Michi	gan.	19t	n, Co.	
thaga N.V	1.55 1.47	0 25	4, 1892	orado, Idaho, Kansas, Michigan, Minnesota	. Neb	rask	a. Ne	
thacs, N. Y Colorado Springs, Colo	2.75	0 30	14, 1890	Town Down and South Dolesto	DOLL.	M:		
lesquite, Tex upiter, Fla tella, Tex	2.50	0 30	10, 1875	Jersey, Pennsylvania, and South Dakota.	zom,	TAT I III	певом	
upiter, Fla	2.35	0 30	20, 1893	21st, Colorado, Iowa, Minnesota, New Mex	rico, a	and.	Texa	
tella, Tex	2.05	0 30	4, 1893	23d, Colorado, Minnesota, and South Dak	ota ´	94th	Cor	
ebo, Kansomerville, N. J	2.01 2.00	0 30	22, 1892	20d, Colorado, Milinesota, and Doubli Dak	oua.	27UI	, 001	
Vellshoro. Ps	1.95	0 30	19, 1893 21, 1885	necticut, Michigan, Minnesota, and Wiscon	sın.	25tn	, Cold	
Interided Minn	1-95	0 30	10. 1803	rado, Kentucky, Missouri, New York, and	Cenne	-998	26t1	
/evav. Ind	1.88	0 30	13, 1879 7, 1889 8, 1892	Minnesota, Nebraska, and South Dakota.	97+h	M	ahior-	
rantsburg, Wisfanistee, Mich	1.88	0 30	7, 1889	minnesota, Neoraska, and South Dakota.	Δįω,	TAT 10	nrīkarı	
anistee, mich	1.67 1.62	0 30	7, 1802	Minnesota, Nebraska, New York, and Vermo	ont.	28th	, Colc	
neensbury, N. Y.	1.56	0 30	14. 1800	rado and South Dakota. 29th, California,	Color	ռեռո	Towe	
Smilie, La. Queensbury, N. Y Gount Auburn, Ohio.:	1.52	0 30	7, 1893 14, 1890 26, 1880					
'rovidence, R. I	3.50	0 35	l 6. 1878	Massachusetts, and New Mexico. 30th, Co	iorado	an	a Nev	
uburn, N. H	3.00	0 35	27, 1877 25, 1880	Mexico. 31st, Idaho and Utah.				
Iulmeville, Pa	2.20	0 35		LMEXICO. 5185, IGANO ANO UTAD.				

# WINDS.

northeast; in the Florida Peninsula, southeast to southwest; in the west Gulf states, the Missouri Valley, and on the southeast slope of the Rocky Mountains, southeast to south; on the Pacific coast, west to northwest; in the Lake region, the extreme northwest, and the upper Mississippi valley, variable.

## HIGH WINDS. (In miles per hour.)

Wind velocities of 50 miles, or more, per hour were reported at regular stations of the Weather Bureau as follows:

10th, 63, sw., at Des Moines, Iowa; 56, s., at Kearney, Nebr. e., at Tatoosh Island, Wash.

The prevailing winds in August, 1893, are shown on Chart 12th, 59, w., at Pikes Peak, Colo. 14th, 52, w., at Fort Buford, II by arrows flying with the wind. In New England and on the northeast slope of the Rocky Mountains the winds were generally from southwest to northwest; in the middle and both Atlantic states and the Ohio Valley and Tennessee, Kittyhawk, N. C.; 60, n., at Hatteras, N. C.; 52, ne., at Nantucket, Mass. 23d, 70, ne., at Nantucket, Mass. 25d, 75d, ne., at N Atlantic City, N. J.; 50, nw., at Sioux City, Iowa. 24th, 55, ne., at Philadelphia, Pa.; 54, s., at New London, Conn.; 52, e., at Woods Holl, Mass. 27th, 88, e., at Charleston, S. C.; 72, ne., at Savannah, Ga.; 55, w., at Titusville, Fla.; 53, s., at Southport, N. C. 28th, 96, e., at Charleston, S. C.; 72, s., at Southport, N. C.; 52, ne., at Augusta, Ga.; 50, ne., at Chicago, Ill.; 50, s., at Kittyhawk, N. C.; 50, sw., at Savannah, Ga. 29th, 59, s., at Woods Holl, Mass.; 57, s., at New Haven, Conn.; 57, se., at New London, Conn.; 54, se., at New York, N. Y.; 51, p. at Ogword, N. Y.; 50, a at Kittyhawk, N. C. 31st 55 51, n., at Oswego, N. Y.; 50, s., at Kittyhawk, N. C. 31st, 55,

## LOCAL STORMS.

(75th meridian time is used at regular Weather Bureau stations.)

1st.—A severe thunder, rain, and wind storm passed over Dinwiddie County, Va., in the evening; one man was killed and another stunned by lightning. A heavy cloudburst occurred in the vicinity of White Oaks, N. Mex. The main force of the storm passed one or two miles east of the town: a house and a number of corrals were destroyed and other The Bonita River overflowed its banks and damage done. roads were rendered impassable.

2d.—A severe rainstorm occurred at Bisbee, Ariz., in the evening; one building was swept away and several houses

were flooded.

**3d.**—A heavy rain and thunderstorm at Lookout Mountain, Tenn., delayed railroad traffic, and minor damage was done

4th.—Thunder and rain storms occurred in Pennsylvania. Virginia, Ohio, and Indiana. At Pittsburg, Pa., a thunder and rain storm occurred in the early morning; small creeks were flooded. A house near Emsworth, Pa., was struck by lightning, and hail was reported to have fallen at Moon, Pa. At Coraopolis, Pa., a severe thunderstorm occurred in the afternoon; an oil tank was set on fire, and damage was done to electric wires. A cloudburst was reported at Petersburg, Va., at 11.30 a. m.; much damage was done by flood. Appomatox River rose 6 feet in one hour and a half. rain in the adjoining counties was very heavy, and much damage was done to crops and bridges. Destructive thunderstorms occurred in southwestern Ohio; at Oxford, Ohio, the storm was attended by heavy hail, beating down corn and killing poultry. A severe thunderstorm, with heavy rain, visited Sharptown, Ind., in the early morning, doing great damage to crops and property.

5th.—Severe hailstorms were reported in Michigan and Missouri and heavy rain fell in Texas and Arizona. In Gratiot County, Mich., great damage was done to crops by hail and several buildings were struck by lightning. County, Mo., was visited by a severe hailstorm, with thunder and lightning, in the afternoon. Crops, gardens, and roofs were greatly damaged by the hail, and cattle and horses were killed by lightning. At El Paso, Tex., damage was done by Heavy rain washed out railroads east and west of

Tucson, Ariz., and railroad traffic was delayed.

6th.—Severe thunderstorms occurred in the New England and middle Atlantic states and Florida. Much damage was done in Boston, Mass., and vicinity. In Lynn, Mass., the damage was estimated at nearly \$100,000. A sudden and severe storm of wind and rain broke over Philadelphia, Pa., at 4.25 p.m. The temperature fell from 90° to 61°; for 30 minutes the wind blew in violent gusts, attaining an extreme velocity of 60 miles per hour. Much damage was done in the north part of the city, and on the river small boats were capsized. At Le Roy, Chanceford, and Hopewell, Pa., the storm was attended by hail, and considerable damage was done to corn, buckwheat, and tobacco. During a thunderstorm at Jacksonville, Fla., in the evening, a barn was struck by lightning.

7th.—Thunderstorms continued over New England. At Hanover, N. H., 4 barns were struck by lightning. A severe hailstorm, with heavy thunder and lightning, visited Keene, N. H., about 7 a. m., and considerable damage was done to crops.

**8th.**—Thunderstorms were reported in New York, Florida, Colorado, and New Mexico. At Pueblo, Colo., a thunder and rain storm occurred in the evening. Heavy rain washed out railroads; estimated damage, \$25,000. At Fort Stanton, N. Mex., a thunderstorm occurred in the evening and hail fell for 3 minutes. A tremendous cloudburst occurred west of the station, and much damage was done by washouts and to and great damage was done to property. During a heavy thunbridges. The Rio Bonita overflowed its banks.

**10th.**—Damage was done by a heavy rain and hail storm at Paducah, Ky. Heavy rain fell in parts of Iowa. At Des Moines a thunderstorm began shortly after 1 p. m. and continued until 6.05 p. m. The wind reached a maximum velocity of 60 miles per hour. During a thunderstorm at Kansas City, Mo., in the afternoon a house was struck by lightning. A violent storm occurred about 6 miles south of Larned, Kans., between 4 and 5 p. m. Nine funnel-shaped clouds were observed within a distance of 9 miles. Two clouds, one moving northeast and the other south, met, both having a whirling motion in opposite directions. Damage, \$1,000. At Bucklin, Kans., about 50 miles southwest of Larned, two distinct tornadoes formed north and east of that place; not much damage done. During a thunderstorm, with hail, at McCoy,

Colo., damage was done to vegetation.

12th.—Severe thunderstorms prevailed in New Hampshire, Massachusetts, and Kansas, and a severe local storm occurred in Pennsylvania. At New Brunswick, N. J., a heavy thunderstorm began at 2.27 and ended at 6 p.m.; heavy rain fell, and the temperature dropped from 95° to 71°. A sudden squall, lasting 3 minutes, did some damage to corn. Nanticoke, Pa., was visited by a local storm in the afternoon. path of the storm was about 11 mile long and 1 mile wide; it moved in a northwest direction, spending its force along the Susquehanna River. Heavy rain fell after the storm. A The house was struck by lightning and 2 persons in the house were killed; the house was lifted from its foundation and carried 50 yards. Six other houses were badly wrecked and the inmates more or less injured. Hundreds of trees were torn up by the roots. At Winona, Kans., a thunderstorm moved northeast, with light rain and small hail, at 2 p. m.; 2 children were killed, and damage was done to property. During a severe thunderstorm 12 miles southeast of Rushville, Kans., a man and 2 horses were killed and 2 persons were stunned by lightning.

**18th.**—At Vineyard Haven, Mass., a house was struck by Adair lightning and damaged to the extent of \$500. Heavy rainstorms prevailed in Arizona. At Farleys Camp, Ariz., a very heavy rainstorm began at 5 p.m. and continued until 11.30 p. m.; some damage was done to roads, vegetation, and grain. At Crittendon and Florence, Ariz., the storm was attended by terrific thunder, rain, hail, and gusts of wind. At Holbrook,

Ariz., 1.40 inches of rain fell in 45 minutes.

14th.—At Selma, S. C., a heavy wind and rain storm destroyed crops on lowlands. At Erie, Pa., the wind reached a velocity of 25 miles per hour; on Lake Erie the gale was more severe and boats were compelled to return to port. Severe thunderstorms prevailed in Nebraska. Nebr., a severe thunder and rain storm occurred in the afternoon. The wind reached a maximum velocity of 34 miles per hour; streets were flooded. During a heavy thunder-storm at Mapleton, Nebr., a house was struck by lightning; loss \$2,500. A very destructive hailstorm occurred in the northwestern part of Kansas. Great damage was done to crops and cattle were killed by the heavy hail.

15th.—A tornado occurred in southeastern Nebraska. The storm struck Pawnee City, Nebr., at 4.30 p. m.; moved northeast; a funnel-shaped cloud with a whirling motion from left to right was observed. A number of persons were injured, and the damage to property was placed at \$4,000. The storm passed just south of Table Rock, where houses were demolished and 1 person was badly injured. Six miles north of Humboldt everything in the storm's path was destroyed, and several persons were injured. At Beatrice, Nebr., heavy rain fell for 24 hours; great damage was done to bridges and railroads. Heavy rain in northeastern Kansas washed out railroads; all small streams overflowed their banks derstorm at First View, Colo., a house was struck by lightning.

17th.—During a thunderstorm at Arkadelphia, Ark., in the evening, a man was killed by lightning. Hail destroyed crops in central Minnesota. An exceptionally severe rain and thunder storm visited the country about Syracuse, Kans. The storm was attended by a heavy downpour of rain, incessant lightning, and high wind. The town of Syracuse was flooded; stock was drowned, and great damage was done to property.

**18th.**—Some damage was done at Seibert, Colo., by hail. **19th.**—Thunderstorms occurred in New Jersey and destructive hailstorms in Minnesota. At Somerville, N. J., a thunderstorm, with hail, occurred in the afternoon; damage was done to property and crops. In western and southwestern Minnesota damage was done to crops and property by hail. At Dodge City, Kans., a thunderstorm began at 2.20 and ended at 6.18 p.m., with heavy rain from 3.05 to 5.10 p.m.; 2 miles west of Dodge City railroads were washed out An unusually severe thunderstorm struck Denison, Tex., about 5.30 p. m.; several persons were struck by lightning and damage was done to property. At Santa Fe, N. Mex., a thunderstorm began at 8.23 and continued until 10.40 p. m.

**20th.**—A violent electric storm passed over Waco, Tex., in the morning; a man was struck by lightning and damage was done to buildings. During a thunderstorm at Pueblo,

Colo., in the evening, minor damage was done by lightning.

21st.—A severe thunderstorm occurred 4 miles west of

Ellendale, N. Dak.; a man was killed by lightning.

28d.—A heavy thunder and rain storm occurred at Minneapolis, Minn., in the evening. At Bird Island, Minn., a hailstorm destroyed gardens and broke glass. At Sioux City, Iowa, a heavy rain and thunder storm began at 5.30 p. m.; a house was struck by lightning, and damage to property by children were killed by lightning. At Chattanooga, Tenn., a flood was estimated at \$40,000. During a thunderstorm at heavy thunder and rain storm began in the evening and con-Hutchinson, Kans., a horse was killed by lightning.

24th.—At Valparaiso, Ind., a barn was struck by lightning and burned, together with 5 horses and 2 cows. A heavy thunderstorm, with high wind and some hail, passed north- windstorm.

16th.—Hail destroyed gardens and broke glass about Bird west of Waukesha, Wis.; 2 barns were struck by lightning and damage was done to corn and grain. At Minneapolis, Minn., a thunder and rain storm began at 8.30 a. m. and ended at 11.48 a. m.; hail fell for 10 minutes. A second storm began at 12.25 and ended at 3.12 p. m.; 4.08 inches of rain fell in the two storms. A house was struck by lightning and damage was done by flood. During a heavy thunderstorm at Red Wing, Minn., in the early morning, the wind reached a maximum velocity of 32 miles per hour. A house was struck by lightning.

**26th.**—A heavy thunder and rain storm occurred 10 miles south of Bowling Green, Ky., accompanied by high wind and

hail. Damage was done to corn and tobacco.

27th.—Five miles north of Lebanon Springs, N. Y., a barn was struck by lightning and burned. During a heavy thunderstorm at New Lisbon, N. Y., several barns were struck by lightning. A violent electric storm visited Rome, N. Y., about 3 p. m.; rain fell in torrents, accompanied by heavy hail. Damage was done to property. In Lewis County, N. Y., several buildings were struck by lightning. A destructive gale passed over Kiowa, Kans., in the early morning. Brick buildings and heavy plate glass windows had the appearance of being struck by grapeshot. At one place the clouds appeared to dip, and outhouses, small buildings, etc., were picked up and scattered in all directions. A heavy storm at Sterling, Kans., prostrated crops.

**28th.**—During a heavy thunderstorm at Bear Valley, S. Dak., a house was struck by lightning and a child killed. A cloudburst in the mountains in northwestern Arizona caused

considerable damage by flood.

29th.—A horse was killed by lightning near Wellington,

31st.—During a thunderstorm at Petersham, Mass., 3 tinued until midnight. In the northeast suburbs the rain was very heavy and damage was done to railroads. Considerable damage was done at Salt Lake City, Utah, by a severe

### INLAND NAVIGATION.

### STAGE OF WATER IN RIVERS.

The following table shows the danger-points at the various river stations; the highest and lowest stages for the month, with the dates of occurrence; and the monthly ranges:

Heights of rivers above low-water mark, August, 1893.

120 gists of 1000 of the 2000 interior, 120 gist, 1000								
Stations.	Danger- point on gauge.	Highe	est water.	Lowest water.		thly		
		Height.	Date.	Height.	Date.	Mont		
Red River.	Feet.	Feet.		Feet.	<u> </u>	Feet.		
Shreveport, La	29.2	5.0	I	0.9	16	4.		
Fort Smith, Ark	22.0	1				. <b></b>		
Little Rock, Ark	23.0	7.9	19	4.6	6	3.		
Fort Buford, N. Dak	25.0	10.5	I	7.2	31	3.		
Sismarck, N. Dak	75.0	5.ĭ	I	2.6	30, 31	Ž.		
Pierre, S. Dak	13.0					l		
ioux City, Iowa	18.7	9.5	1-4	7.0	31	2.		
maha, Nebr	18-0	8.9	i	7.1	31	1.		
Kansas City, Mo	21.0	13.2	19	7.8	31	5.		
sint Paul. Minn	14.0	2.6	31	1.8	11	0.		
a Crosse, Wis	10.0	2.9	ĭ	1.9	24, 25, 28-31	<b> </b> 1.		
Oubuque, Iowa	16.0	3.4	I	1.7	30, 31	1.		
Davenport, Iowa	15-0	2.4	I, 2	0.9	30, 31	I.		
Keokuk, Iowa	14-0	2.6	1	0.8	30, 31	ı.		
Iannibal, Mo	17.0	3.4	Ţ	1.5	30, 31	1.		
saint Louis, Mo	30.0	11.3	3	5·7	31	5.		
Cairo, Ill		11.3	5	6.0	31	5-		
femphis, Tenn	33.0	8.5	I	4-5	24, 25	4.		
Vicksburg, Miss	4I.O	14.3	I	4-2	29	Io.		
New Orleans, La	13.0	7.2	I	3.4	30, 31	3.		

Heights of rivers-Continued.

Stations.	Danger- point on gauge.	Highest water.		Lowest water.		onthly range.
		Height.	Date.	Height.	Date.	Mon
Ohio River.	Feet.	Feet.		Feet.		Feet.
Parkersburg, W. Va	38.0					
Cincinnati, Ohio		6.0	10, 11		29, 30	2.4
Louisville, Ky	24.0		1	2.3	29-31	1.3
Nashville, Tenn	40.0	8-4	4	1.2	27	7.2
Chattanooga, Tenn		5.2	18	1.6	28, 29, 31	3.6
Knoxville, Tenn	29.0					
Pittsburg, Pa Savannah River.	22.0	6.5	29	5-3	6, 7, 30	1.2
Augusta, Ga	32.6	12.9	29	5.0	26	7.9
Portland, Oregon	15.0	12.7	I	5.1	31	7-6
Harrisburg, Pa	17.0	3.1	31	0.3	16-19, 25	2.8
Montgomery, Ala	48 <b>.</b> o	14- I	16	0.8	31	13-3
Lynchburg, Va	18-0	11.3	. 29	0.0	10-13, 16- 19, 22, 27, 28	11.3
Sacramento River.			_			
Red Bluff, Cal	22.0	1.6	1	1.3	17-31	0-3
Sacramento, Cal	25.0	12.0	1	9.0	31	3.0
Des Moines, Iowa	19.0					